

ANL FORM NO. 64

~~CONFIDENTIAL~~*Office Memorandum* • UNITED STATES GOVERNMENT

TO : The Files - Contract 260-19660-0

DATE: 31 January 1961

FROM : 

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SUBJECT: Trip Report - AN-49 and AN-50 Antenna Systems

1. On 26 January 1961, a visit was made to the  located at Sherbourne, New York, to observe field testing of the AN-49 and AN-50 antennas. The AN-49 is a 60-70 mc YAGI system and the AN-50 consists of a 90 mc and a 115 mc YAGI antenna -- each system mounted on collapsible 50 foot towers. Personnel that participated in this visit were:

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2. During a previous visit which was scheduled to demonstrate the two systems, the contractor encountered mechanical problems with the structural design of the 50 foot aluminum towers. These towers were returned to the sub-contractor and structurally strengthened towers have now been obtained. The contractor's personnel conducted a trial erection and function demonstration of the towers and antenna systems for the Agency personnel. This test/demonstration was a complete success. It took approximately 40 minutes to elevate the towers to their extended height of 50 feet. Approximately half that time is required to collapse the towers. The erection/collapse of the towers is straightforward if basic precautions, as outlined in the instruction-maintenance manual, are observed. During rather severe weather conditions encountered during these field tests (temperature approximately 8°, falling snow and a small wind of approximately 5-10 mph) the complete antenna system functioned very smoothly and the tower had no tendency to sway in the wind. The location of the guying cables is certainly adequate to withstand an extremely high wind velocity.

3. The Agency personnel had an opportunity to review a rough draft of the instruction-maintenance manuals. These books appeared to take a straightforward approach to the assembly of the antennas, their mounting on the towers and the complete erection of the antenna and tower from a horizontal to a vertical position. All mating pieces of the antenna hardware have been marked to facilitate rapid assembly of sub-units.

4. The contractor also furnished two drawings which will be used for laying out the cement piers and positioning of the necessary guy anchors for the antenna. These drawings will be forwarded immediately to the field to expedite preparation of the site where the antennas will be installed.  indicated that both antenna systems would be crated and ready for shipment to the Agency warehouse on 31 January 1961.

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5. During the meeting [ ] discussed the possibility of a small overrun under this contract. The old structurally defective towers were purchased at a cost of \$1336.75 each. The new towers which are presently used in the system cost approximately once again as much. As a result, the additional cost for obtaining the two new towers is \$2673.50. Obviously a contractual question arises as to who, the contractor or the Agency, will pay the cost of obtaining the structurally strengthened towers. [ ] first reaction to this was that since [ ] had placed specifications on the sub-contractor it would be up to the sub-contractor to cover the cost of the new tower mounts. However, [ ] indicated that the tower sub-contractor was a reasonably small firm and he felt that this would be a substantial sum of money to absorb. [ ] indicated that he would be in Washington on the first of February 1961 and he would like an opportunity to discuss this problem with the cognizant contracting officer. (This problem was subsequently discussed with the contracting officer and his first reaction to the problem was that either the tower sub-contractor or [ ] would have to absorb the cost.)

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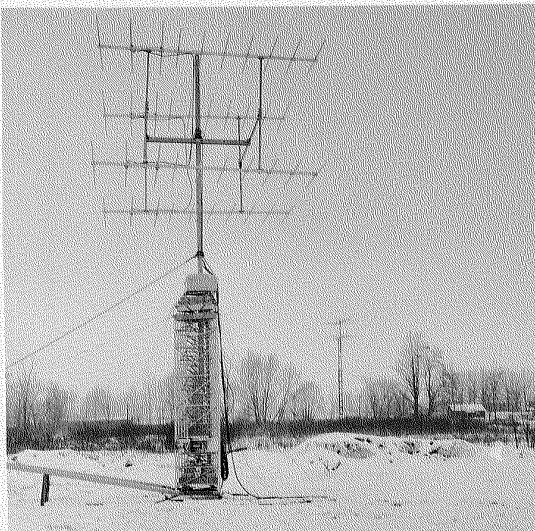
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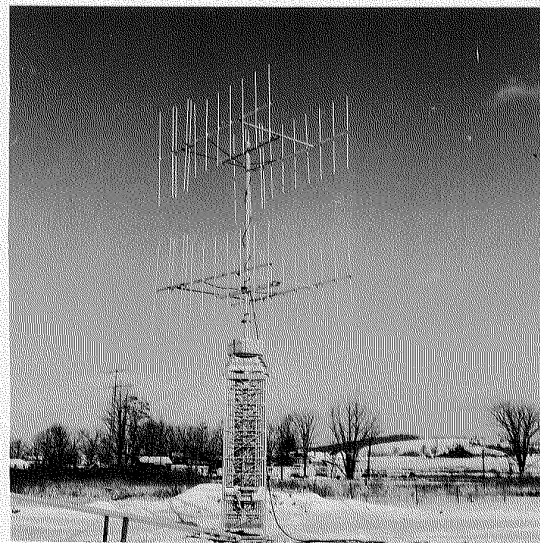
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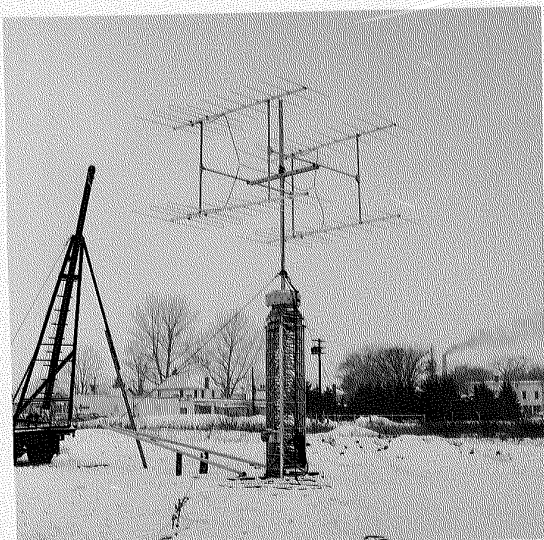
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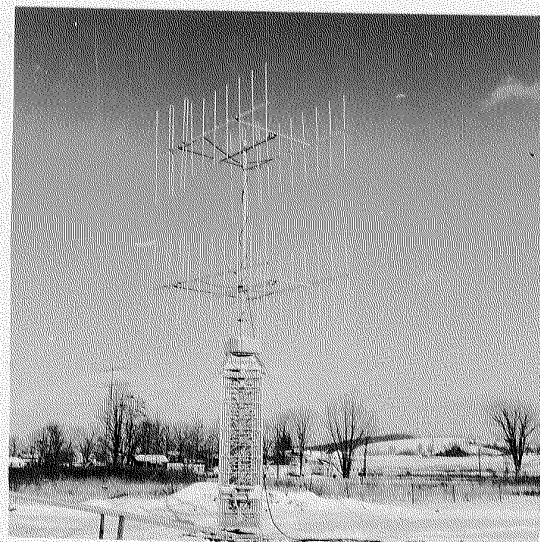
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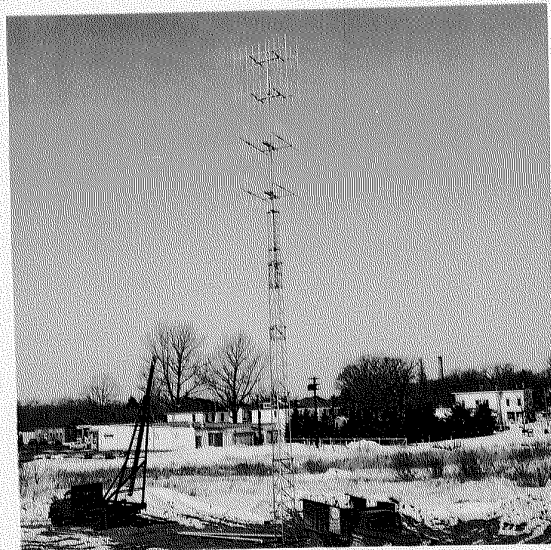




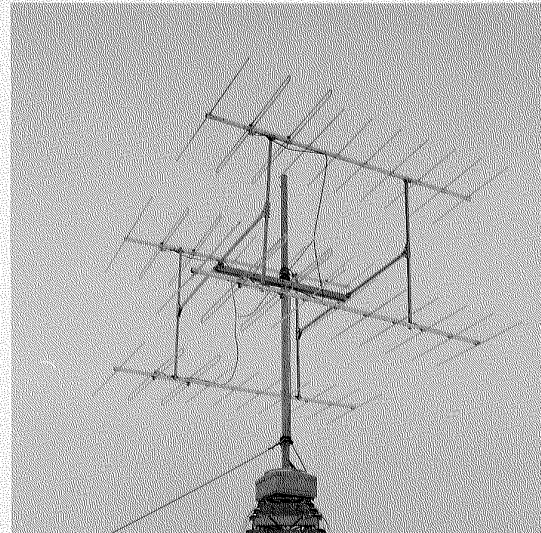
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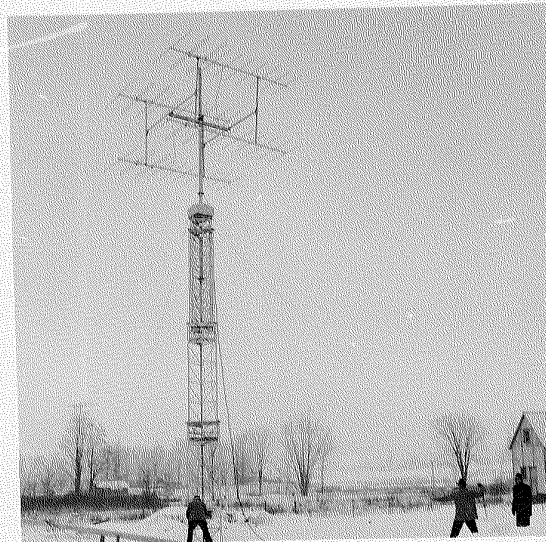
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